

Appl. No. 10/650,054  
Amdt. dated August 3, 2005  
Reply to Office action of May 3, 2005

Claim Amendments

8/16/05  
Not  
Entered  
S. Kennedy

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (currently amended): A method for producing a honeycomb body having a predetermined number of sheet metal layers from at least one supply roll, at least some of the sheet metal layers being at least partially structured sheet metal layers having structures making it possible for a fluid to flow through the honeycomb body, the honeycomb body having an interior with a predetermined cohesive free volume for receiving a measurement sensor, which comprises the steps of:

- a) selecting a section of a sheet metal strip from the supply roll for forming a sheet metal layer of appropriate size;
- b) identifying the sheet metal layer;
- c) reading at least one associated hole position and at least one associated hole edge from a memory to be formed in the sheet metal layer;
- d) constructing at least one hole with the hole edge in the sheet metal layer at the at least one associated hole position

Appl. No. 10/650,054  
Amdt. dated August 3, 2005  
Reply to Office action of May 3, 2005

RECEIVED  
CENTRAL FAX CENTER

AUG 03 2005

and, if required, structuring of corrugating at least a portion of the section;

- e) if required, separating the section from the supply roll;
- f) repeating steps a) to f) for forming the predetermined number of the sheet metal layers;
- g) if required, stacking the predetermined number of the sheet metal layers corresponding to an identification of the sheet metal layers;
- h) if required, repeating steps a) to h) for producing at least two sheet metal stacks;
- i) winding at least one of the sheet metal layer and at least one of the sheet metal stacks to form a honeycomb structure with smooth and corrugated sheet metal layers forming channels through which a fluid can flow;
- j) introducing the honeycomb structure into a casing tube;
- k) introducing the measurement sensor at a predetermined position into the honeycomb structure and the casing tube; and